

Claims

1. A separating device for separating/extracting program data of a specified desired program from a data stream formed of plural program data multiplexed per the fixed unit, comprising:

selecting means for receiving a plurality of said data streams and for selecting a part or all of said data stream from among said plural data streams received, and

separating/extracting means for separating/extracting program data of said specified program included in each of said data streams selected by said selecting means.

2. The separating device according to Claim 1, comprising multiplexing means is provided at the preceding stage or at the following stage of said separating/extracting means for multiplexing said data streams selected by said selecting means or program data of said specified program to be sent out from said separating/extracting means.

3. The separating device according to Claim 1, wherein:

said data stream is formed of said plural program data packetized and multiplexed per the prescribed unit; and

said separating/extracting means outputs program data of said specified program separated and extracted, in the form of packetized data.

4. A separating method for separating/extracting program data of a specified desired program from a data stream formed of plural program data multiplexed per the prescribed unit, comprising:

a first step of receiving said plural data streams and selecting a part or all of said data streams from among said plural data streams received; and

a second step of separating/extracting program data of said specified program included in each of said data streams selected at said first step.

5. The separating method according to Claim 4, comprising

a third step of multiplexing, conducted before or after said second step, each of said data streams selected at said first step or program data of said specified program to be sent out at said second step.

6. The separating method according to Claim 4, wherein:

said data stream is formed of said plural program data packetized and multiplexed per the prescribed unit; and

said second step outputs program data of said specified program separated and extracted in the form of packetized data.

7. A signal receiving device for receiving a data stream formed of program data of plural programs multiplexed per the fixed unit

or for receiving a transmission signal formed of said data stream modulated, comprising:

selecting means for inputting said data stream received or a plurality of said data streams formed of the received transmission signal demodulated, and for selecting a part or all of said data streams from among said input plural data streams,

separating/extracting means for separating/extracting program data of a specified program included in each of said selected data streams; and

decoding means for decoding said program data separated/extracted by said separating means.

8. The signal receiving device according to Claim 7, comprising multiplexing means provided at the preceding stage or following stage of said separating/extracting means for multiplexing each of said data streams selected by said selecting means or program data of said specified program to be sent out from said separating/extracting means.

9. The signal receiving device according to Claim 7, wherein: said data stream is formed of said plural program data packetized and multiplexed per the prescribed unit; and

said separating/extracting means outputs program data of said specified program separated/extracted in the form of packetized data.

10. A signal receiving method of receiving data stream formed of program data of plural programs multiplexed per the prescribed unit or a transmission signal formed of said data stream demodulated, comprising:

a first step of inputting said data stream received or a plurality of said data streams formed of said received transmission signal demodulated, and of selecting a part or all of said data streams from among said plural data streams;

a second step of separating/extracting program data of a specified program included in each of said data streams selected at said first step; and

a third step of decoding said program data separated/extracted at said second step.

11. The signal receiving method according to Claim 10, comprising

a third step, conducted before or after the second step, of multiplexing each of said data streams selected at the first step or program data of said specified program to be sent out from said second step.

12. The signal receiving device according to Claim 10, wherein:

said data stream is formed of said plural program data packetized and multiplexed per the prescribed unit; and

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